

102.10 - Lead Base Alloys (disk and powder forms)

SRMs in the form of disks are approximately 50 mm in diameter and 16 mm thick. They are intended for use with optical emission spectrometric methods of analysis.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Concentration are expressed as mass fraction, in %.

SRM	Description	Unit of Issue	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Bismuth (Bi)	Cadmium (Cd)	Calcium (Ca)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Manganese (Mn)	Nickel (Ni)	Selenium (Se)
53e	Lead-Base Bearing Metal (84Pb-10Sb-6Sn)	150 g		10.26	0.057	0.052				0.054	<0.001		0.003	
1276	Solder (40Sn — 60Pb)	150 g		0.43	0.01	0.06				0.011			0.012	
1128	Solder (63Sn-37Pb)	200 g		0.13	0.055	0.13				0.16			0.010	
1131	Solder (40Sn - 60Pb)	disk		0.43	0.01	0.06				0.011			0.012	
1132	Lead-Base Bearing Metal (84 Pb-10 Sb-6 Sn) (disk form)	disk		10.26	0.057	0.052				0.054	<0.001		0.003	
C2415a	Battery Lead (UNS 52770)	disk		2.981	0.1865	0.0507	0.00497			0.1022			0.00436	0.01005
C2416	Bullet Lead	disk	(<0.0001)	0.79	0.056	0.10	(0.0002)	<0.001	(<0.0002)	0.065	(<0.0005)	(<0.0005)	(<0.0005)	
C2417	Lead-Base Alloy	disk	(<0.0001)	0.010	0.011	0.010	(<0.0002)	(<0.001)	(<0.0002)	0.010	(<0.0003)	(<0.0003)	(<0.0005)	
C2418	High-Purity Lead	disk	(<0.0001)	(0.0001)	(<0.0001)	(<0.0005)	0.0003	(<0.0005)	(<0.0005)	(<0.0001)	(<0.0005)	(<0.0005)	(<0.0005)	

- Certified values are normal font

- Reference values are italicized

- Values in parentheses are for information only

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Silver (Ag)	Sulfur (S)	Tellurium (Te)
0.01		
0.075		
0.01		
0.00762	<i>0.0061</i>	0.01034
0.0044	0.0015	(<0.0005)
0.010	(<0.0005)	(<0.0005)
0.0001		(<0.0005)

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